

AMENDMENTS TO THE CLAIMS:

Amend the claims as follows:

1. (Currently Amended) An isolated nucleic acid that is expressed by human prostate cancer cells, selected from the group consisting of:
 - (i) the nucleic acid ~~contained in SEQ ID NOS:2 to 173, 175, 177, 179, 181~~ comprising the sequence of SEQ ID NO: 92;
 - (ii) variants thereof, wherein such variants have a nucleic acid sequence that is at least ~~[[70%]]~~95% identical to the sequence of (i) when aligned without allowing for gaps; and
 - (iii) fragments of (i) or (ii) having a size of at least 20 nucleotides in length, wherein said fragments comprise a portion of the sequence of (i) or (ii) comprising an exon-exon, exon-intron or intron-intron junction sequence generated by splicing.
2. (Currently Amended) The nucleic acid of Claim 1, which comprises the nucleic acid sequence ~~contained in any one of SEQ ID NOS:2 to 173, 175, 177, 179, 181 or a fragment thereof of SEQ ID NO: 92.~~
3. (Currently Amended) A primer mixture that comprises primers that ~~that result in the specific amplification of one of the nucleic acid sequences of Claim 1 specifically~~ amplify a nucleic acid of Claim 1.

Claims 4-15. (Canceled)

16. (Currently Amended) A diagnostic kit for detection of prostate cancer which comprises a ~~[[DNA]]~~nucleic acid according to Claim 1 and a detectable label.
17. (Original) A diagnostic kit for detection of prostate cancer which comprises primers according to Claim 3 and a diagnostically acceptable carrier.

Claims 18-31. (Canceled)

32. (Currently Amended) A molecule, selected from:

- (i) ~~a polypeptide comprising the sequence of an extracellular domain of a protein encoded by a gene or RNA comprising a sequence selected from the group consisting of SEQ ID NOS:2 to 185; and~~
- (ii) ~~a nucleic acid molecule encoding a polypeptide of (i)~~
- (i) a nucleic acid molecule encoding a polypeptide comprising the sequence of an extracellular domain of a protein encoded by a gene or RNA comprising the sequence of SEQ ID NO: 92..

33. (Original) The molecule of claim 32, wherein said polypeptide has 8 to 100 amino acids in length.

Claim 34. (Canceled)